



**OILENCE**  
Oil & Gas Supply

## Product: LL0209 AA

### Product Description:

LL0209AA are linear low density polyethylene copolymers containing butane-1 as the co-monomer. In lean blends, this resin offer greater drawdown compared to LDPE neat and produced Films are tough with better tear resistance, high tensile stress and good hot-tack properties

Property	Test Method	Unit	Typical Value
<b>Physical Properties</b>			
MFI (190 °C /2.16 Kg)	ASTM D1238	g/10Min	0.9
MFI (190 °C /2.16 Kg)			29.0
Density	ASTM D 1502	g/cm3	0.920
<b>Optical Properties</b>			
Haze	ASTM D 1003	%	12
Gloss (45°)	ASTM D 2457	%	50
<b>Formulation</b>			
Antioxidant			✓
Anti Block			-
Slip Agent			-
<b>Mechanical Properties</b>			
Dart Drop Impact	ASTM D 1709 (A)	g	140
Tear Strength MD/TD	ASTM D 1922	Gr/25µm	145/370
Tensile Strength at yield MD/TD	ASTM D 882	MPa	10/11
Tensile Strength at Break MD/TD	ASTM D 882	MPa	41/32
Elongation at Break MD/TD	ASTM D 882	%	620/205
Secant Modulus MD/TD	ASTM D 882	MPa	195/205
Puncture Resistance	BPC	N.Cm	800
Coefficient of friction	ASTM D 1894		>0.5
<b>Thermal Properties</b>			
Vicat Softening Temperature	ASTM D 1525	°C	100

38µ, 2.5:1 blow-up ratio, 225°C melt temperature.

The above data are typical laboratory average. They are intended to serve as guide only.

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